

JUL 27 2004

001/011

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To:

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|--|----------------|----------------|
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FROM: Jill A. Jacobson**DATE:** July 27, 2004

Number of pages with cover page: 11

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3 31

Comments:

Attorney Docket No.: 514012000400
 Filing Date: October 9, 2001
 Group Art Unit: 1632
 Examiner: P. Paras
 Serial No.: 09/973,473
 Inventors: Nahum SONENBERG et al.
 Title: NON-HUMAN TRANSGENIC ANIMAL WHOSE GERM CELLS AND SOMATIC CELLS
 CONTAIN A KNOCKOUT MUTATION IN DNA ENCODING 4E-BP1

Papers enclosed:

1. Transmittal (1 page)
2. Fee Transmittal + duplicate for fee processing (2 pages)
3. Response to Office Communication and Preliminary Amendment (6 pages)
4. Petition for Extension of Time Under 37 CFR 1.136(a) (1 page)

PA-905600

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

¹Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|----|------------------------|-----------------|
| TRANSMITTAL FORM | | Application Number | 09/973,473 |
| <i>(to be used for all correspondence after initial filing)</i> | | Filing Date | October 9, 2001 |
| | | First Named Inventor | Nahum SONENBERG |
| | | Art Unit | 1632 |
| | | Examiner Name | P. Paras |
| Total Number of Pages in This Submission | 10 | Attorney Docket Number | 514012000400 |

ENCLOSURES (*Check all that apply*)

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form + duplicate for fee processing (2 pages) | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Technology Center (TC) |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply (6 pages) | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input checked="" type="checkbox"/> Extension of Time Request (1 page) | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Facsimile cover sheet |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |
| | Remarks | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------------|---|
| Firm or Individual name | MORRISON & FOERSTER LLP (Customer No. 25226) Jill A. Jacobson - 40,030 |
| Signature | <i>Jill A. Jacobson</i> |
| Date | July 27, 2004 |

I hereby certify that this correspondence is being transmitted to the Patent and Trademark Office, via facsimile to (703) 872-9308, on the date shown below.

Dated: 3/27/04 Signature: _____

pa-905583

PTO/SB/17 (10-03)

Approved for use through 7/31/2005. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 475.00)

Complete If Known

| | |
|----------------------|-----------------|
| Application Number | 09/973,473 |
| Filing Date | October 9, 2001 |
| First Named Inventor | Nahum SONENBERG |
| Examiner Name | P. Paras |
| Art Unit | 1632 |
| Attorney Docket No. | 514012000400 |

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None
 Deposit Account:Deposit Account Number **03-1952**Deposit Account Name **Morrison & Foerster LLP**

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
- Charge any additional fee(s) or any underpayment of fee(s)
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---|-------------------------|---|------------------|
| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
| 1051 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | 0.00 | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | |
| Total Claims | 41 | Extra Claims | Fee from below |
| Independent Claims | 10 | -10 = | 0 x 9.00 = 0.00 |
| Multiple Dependent | | | 0 x 43.00 = 0.00 |
| | | | 145.00 = 0.00 |
| Large Entity | | Small Entity | |
| Fee Code (\$) | Fee Code (\$) | Fee Description | |
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 86 | 2201 43 | Independent claims in excess of 3 | |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid | |
| 1204 86 | 2204 43 | " Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | " Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) (\$) | | 0.00 | |
| *or number previously paid, if greater; For Reissues, see above | | | |
| (Complete if applicable) | | | |
| Name (Print/Type) | Jill A. Jacobson | Registration No. (Attorney/Agent) | 40,030 |
| Signature | <i>Jill A. Jacobson</i> | Date | July 27, 2004 |

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 475.00)

pa-905582

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 475.00)

Complete if Known

| | |
|----------------------|-----------------|
| Application Number | 09/973,473 |
| Filing Date | October 9, 2001 |
| First Named Inventor | Nahum SONENBERG |
| Examiner Name | P. Paras |
| Art Unit | 1632 |
| Attorney Docket No. | 514012000400 |

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None
 Deposit Account:Deposit Account Number **03-1952**Deposit Account Name **Morrison & Foerster LLP**

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---|-------------------------|--|----------------|
| Fee Code (4) | Fee Code (5) | Fee Code (4) | Fee Code (5) |
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$ 0.00) | | | |
| | | | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | |
| Total Claims | 41 | Extra Claims | Fee from below |
| Independent Claims | 10 | 0 | x 9.00 = 0.00 |
| Multiple Dependent | | 0 | x 43.00 = 0.00 |
| | | | 145.00 = 0.00 |
| SUBTOTAL (2) (\$ 0.00) | | | |
| *or number previously paid, if greater. For Reissues, see above | | | |
| 3. ADDITIONAL FEES | | | |
| Fee Code (4) | Fee Code (5) | Fee Description | Fee Paid |
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 86 | 2201 43 | Independent claims in excess of 3 | |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid | |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (3) (\$ 475.00) | | | |
| *Reduced by Basic Filing Fee Paid | | | |
| SUBMITTED BY | | | |
| Name (Print/Type) | Jill A. Jacobson | Registration No. (Attorney/Agent) | 40,030 |
| Signature | <i>Jill A. Jacobson</i> | Date | July 27, 2004 |

(Complete if applicable)

Registration No. (Attorney/Agent) 40,030

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pa-905582

JUL 27 2004

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Dated: 7/27/04

Signature:



(Michelle Boothby)

Docket No.: 514012000400
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Nahum SONENBERG et al.

Application No.: 09/973,473

Art Unit: 1632

Filed: October 9, 2001

Examiner: P. Paras

For: **NON-HUMAN TRANSGENIC ANIMAL
WHOSE GERM CELLS AND SOMATIC
CELLS CONTAIN A KNOCKOUT
MUTATION IN DNA ENCODING 4E-BP1**

RESPONSE TO OFFICE COMMUNICATION AND PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This is in response to the Office Communication mailed on April 13, 2004 (Paper No. 0404), for which a response was due on May 13, 2004. A petition and fee for a three-month extension of time are submitted herewith, extending the deadline for response to August 13, 2004. Accordingly, this response is timely filed.

pa-904605